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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b> |   | ATTORNEY'S DOCKET NUMBER<br>0216-0516PUS1<br>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/541776</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/002012  | INTERNATIONAL FILING DATE<br>20 February 2004 | PRIORITY DATE CLAIMED<br>21 February 2003  |
| TITLE OF INVENTION<br>SILICA-CONTAINING LAMINATED STRUCTURE, AND COATING COMPOSITION FOR<br>USE IN FORMING A POROUS SILICA LAYER        |   |  |
| APPLICANT(S) FOR DO/EO/US<br>Toshihiko OHASHI; Jun LI; and Takaaki IOKA   |   |  |

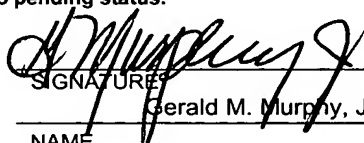
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau. WO 2004/073972 A1
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: PCT/IB/308; Ten sheets of Formal Drawings.

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| U.S. APPLICATION NO. (if known) <b>10/541776</b>  |   | INTERNATIONAL APPLICATION NO.<br><b>PCT/JP2004/002012</b>                     |            | ATTORNEY'S DOCKET NUMBER<br><b>0216-0516PUS1</b>   |              |
| The following fees have been submitted  |   |   |            | CALCULATIONS   | PTO USE ONLY |
| 21.   | <input checked="" type="checkbox"/> Basic national fee  |   |            | \$ 300.00  |              |
| 22.   | <input checked="" type="checkbox"/> Examination fee   |   |            |  |              |
| If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) \$100  |   |   |            |  |              |
| All other situations \$200  |   |   |            | \$ 200.00  |              |
| 23.   | <input checked="" type="checkbox"/> Search fee  |   |            |  |              |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100   |   |   |            |  |              |
| International Search Report prepared and provided to the Office \$400   |   |   |            |  |              |
| All other situations \$500  |   |   |            | \$ 400.00  |              |
| <b>TOTAL OF 21, 22 and 23 =</b>   |   |   |            | \$ 900.00  |              |
| <input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |   |   |            |  |              |
| Total Sheets  | Extra sheets  | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE       |  |              |
| 129 - 100 =   | 29 /50 =  | 1   | x \$250.00 | 250.00   |              |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).   |   |   |            | \$   |              |
| CLAIMS  | NUMBER FILED  | NUMBER EXTRA  | RATE       |  |              |
| Total claims  | 24 - 20 =   | 4   | x 50.00    | \$ 200.00  |              |
| Independent claims  | 2 - 3 =   | 0   | x 50.00    | \$ 0.00  |              |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable) + 360.00  |   |   |            | \$ 360.00  |              |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |   |   |            | \$ 1,710.00  |              |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.  |   |   |            | \$   |              |
| <b>SUBTOTAL =</b>   |   |   |            | \$ 1,710.00  |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). +  |   |   |            | \$   |              |
| <b>TOTAL NATIONAL FEE =</b>   |   |   |            | \$ 1,710.00  |              |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +   |   |   |            | \$ 40.00   |              |
| <b>TOTAL FEES ENCLOSED =</b>  |   |   |            | \$ 1,750.00  |              |
|   |   |   |            | Amount to be refunded:   | \$           |
|   |   |   |            | Amount to be charged:  | \$           |
| a.  | <input checked="" type="checkbox"/> A check in the amount of \$ 1,750.00 to cover the above fees is enclosed.   |   |            |  |              |
| b.  | <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.  |   |            |  |              |
| c.  | <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2448. A duplicate copy of this sheet is enclosed.                      |   |            |  |              |
| d.  | <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. |   |            |  |              |
| <b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.  |   |   |            |  |              |
| SEND ALL CORRESPONDENCE TO:   |   |   |            |  |              |
|   |   |   |            | <br>SIGNATURE<br>Gerald M. Murphy, Jr.<br>NAME |              |
| CUSTOMER NUMBER: 02292  |   |   |            | 28,977   |              |
| July 8, 2005  |   |   |            | REGISTRATION NUMBER  |              |
| GMM/nl  |   |   |            |  |              |